

**COMBINED DECLARATION AND POWER OF ATTORNEY
FOR UTILITY PATENT APPLICATION**

Attorney's Docket No.
000270-015

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I BELIEVE I AM THE ORIGINAL, FIRST AND SOLE INVENTOR (if only one name is listed below) OR AN ORIGINAL, FIRST AND JOINT INVENTOR (if more than one name is listed below) OF THE SUBJECT MATTER WHICH IS CLAIMED AND FOR WHICH A PATENT IS SOUGHT ON THE INVENTION ENTITLED:

CLONED UNGULATE EMBRYOS AND ANIMALS, USE OF CELLS, TISSUES AND ORGANS THEREOF
FOR TRANSPLANTATION THERAPIES INCLUDING PARKINSON'S DISEASE

the specification of which

(check one)

☐ is attached hereto;

☒ was filed on April 27, 1998 as

Application No. 09/066,652

and was amended on _____;
(if applicable)

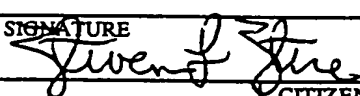
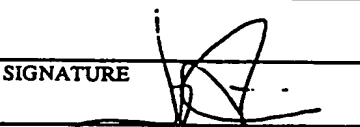
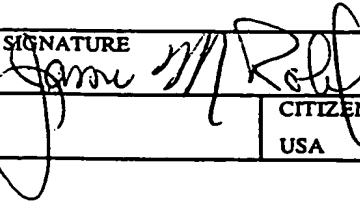
I HAVE REVIEWED AND UNDERSTAND THE CONTENTS OF THE ABOVE-IDENTIFIED SPECIFICATION, INCLUDING THE CLAIMS, AS AMENDED BY ANY AMENDMENT REFERRED TO ABOVE;

I ACKNOWLEDGE THE DUTY TO DISCLOSE TO THE OFFICE ALL INFORMATION KNOWN TO ME TO BE MATERIAL TO PATENTABILITY AS DEFINED IN TITLE 37, CODE OF FEDERAL REGULATIONS, Sec. 1.56 (as amended effective March 16, 1992);

I do not know and do not believe the said invention was ever known or used in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to said application; that said invention was not in public use or on sale in the United States of America more than one year prior to said application; that said invention has not been patented or made the subject of an inventor's certificate issued before the date of said application in any country foreign to the United States of America on any application filed by me or my legal representatives or assigns more than twelve months prior to said application;

I hereby claim foreign priority benefits under Title 35, United States Code Sec. 119 and/or Sec. 365 of any foreign application(s) for patent or inventor's certificate as indicated below and have also identified below any foreign application for patent or inventor's certificate on this invention having a filing date before that of the application(s) on which priority is claimed:

DOCKETED
filed 7-21-98
LDR

COMBINED DECLARATION AND POWER OF ATTORNEY			Attorney's Docket No. 000270-015																																																																															
COUNTRY/INTERNATIONAL	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED																																																																															
			YES_ NO_																																																																															
			YES_ NO_																																																																															
<p>I hereby appoint the following attorneys and agent(s) to prosecute said application and to transact all business in the Patent and Trademark Office connected therewith and to file, prosecute and to transact all business in connection with international applications directed to said invention:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">William L. Mathis</td> <td style="width: 10%;">17,337</td> <td style="width: 33%;">Robert G. Mukai</td> <td style="width: 10%;">28,531</td> <td style="width: 14%;">William H. Benz</td> <td style="width: 10%;">25,952</td> </tr> <tr> <td>Peter H. Smolka</td> <td>15,913</td> <td>George A. Hovanec, Jr.</td> <td>28,223</td> <td>Peter K. Skiff</td> <td>31,917</td> </tr> <tr> <td>Robert S. Swecker</td> <td>19,885</td> <td>James A. LaBarre</td> <td>28,632</td> <td>Richard J. McGrath</td> <td>29,195</td> </tr> <tr> <td>Platon N. Mandros</td> <td>22,124</td> <td>E. Joseph Gess</td> <td>28,510</td> <td>Matthew L. Schneider</td> <td>32,814</td> </tr> <tr> <td>Benton S. Duffett, Jr.</td> <td>22,030</td> <td>R. Danny Huntington</td> <td>27,903</td> <td>Michael G. Savage</td> <td>32,596</td> </tr> <tr> <td>Joseph R. Magnone</td> <td>24,239</td> <td>Eric H. Weisblatt</td> <td>30,505</td> <td>Gerald F. Swiss</td> <td>30,113</td> </tr> <tr> <td>Norman H. Stepno</td> <td>22,716</td> <td>James W. Peterson</td> <td>26,057</td> <td>Michael J. Ure</td> <td>33,089</td> </tr> <tr> <td>Ronald L. Grudziecki</td> <td>24,970</td> <td>Teresa Stanek Rea</td> <td>30,427</td> <td>Charles F. Wieland III</td> <td>33,096</td> </tr> <tr> <td>Frederick G. Michaud, Jr.</td> <td>26,003</td> <td>Robert E. Krebs</td> <td>25,885</td> <td>Bruce T. Wieder</td> <td>33,815</td> </tr> <tr> <td>Alan E. Kopecki</td> <td>25,813</td> <td>William C. Rowland</td> <td>30,888</td> <td>Todd R. Walters</td> <td>34,040</td> </tr> <tr> <td>Regis E. Slutter</td> <td>26,999</td> <td>T. Gene Dillahunty</td> <td>25,423</td> <td> </td> <td> </td> </tr> <tr> <td>Samuel C. Miller, III</td> <td>27,360</td> <td>Patrick C. Keane</td> <td>32,858</td> <td> </td> <td> </td> </tr> <tr> <td>Ralph L. Freeland, Jr.</td> <td>16,110</td> <td>Bruce J. Boggs, Jr.</td> <td>32,344</td> <td> </td> <td> </td> </tr> </table>					William L. Mathis	17,337	Robert G. Mukai	28,531	William H. Benz	25,952	Peter H. Smolka	15,913	George A. Hovanec, Jr.	28,223	Peter K. Skiff	31,917	Robert S. Swecker	19,885	James A. LaBarre	28,632	Richard J. McGrath	29,195	Platon N. Mandros	22,124	E. Joseph Gess	28,510	Matthew L. Schneider	32,814	Benton S. Duffett, Jr.	22,030	R. Danny Huntington	27,903	Michael G. Savage	32,596	Joseph R. Magnone	24,239	Eric H. Weisblatt	30,505	Gerald F. Swiss	30,113	Norman H. Stepno	22,716	James W. Peterson	26,057	Michael J. Ure	33,089	Ronald L. Grudziecki	24,970	Teresa Stanek Rea	30,427	Charles F. Wieland III	33,096	Frederick G. Michaud, Jr.	26,003	Robert E. Krebs	25,885	Bruce T. Wieder	33,815	Alan E. Kopecki	25,813	William C. Rowland	30,888	Todd R. Walters	34,040	Regis E. Slutter	26,999	T. Gene Dillahunty	25,423			Samuel C. Miller, III	27,360	Patrick C. Keane	32,858			Ralph L. Freeland, Jr.	16,110	Bruce J. Boggs, Jr.	32,344		
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<p>and: <u>Robin L. Teskin, Registration No. 35,030</u></p>																																																																																		
<p>Address all correspondence to: <u>Robin L. Teskin</u> <u>BURNS, DOANE, SWECKER & MATHIS, L.L.P.</u> <u>P.O. Box 1404</u> <u>Alexandria, Virginia 22313-1404</u></p>																																																																																		
<p>Address all telephone calls to: <u>Robin L. Teskin</u> at (703) 836-6620.</p>																																																																																		
<p>I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.</p>																																																																																		
FULL NAME OF SOLE OR FIRST INVENTOR		SIGNATURE	DATE																																																																															
Steven L. STICE			6/1/98																																																																															
RESIDENCE		CITIZENSHIP																																																																																
468 Amherst Road, Belchertown, Massachusetts 01007		USA																																																																																
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468 Amherst Road, Belchertown, Massachusetts 01007																																																																																		
FULL NAME OF SECOND JOINT INVENTOR, IF ANY		SIGNATURE	DATE																																																																															
Jose CIBELLI			6/1/98																																																																															
RESIDENCE		CITIZENSHIP																																																																																
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FULL NAME OF THIRD JOINT INVENTOR, IF ANY		SIGNATURE	DATE																																																																															
James M. ROBL			7/16/98																																																																															
RESIDENCE		CITIZENSHIP																																																																																
196 Old Enfield, Belchertown, Massachusetts 01007		USA																																																																																
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FOR UTILITY/DESIGN
CIP/PCT NATIONAL/PLANT
ORIGINAL/SUBSTITUTE/SUPPLEMENTAL
DECLARATIONS

RULE 63 (37 C.F.R. §3)
DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PW
FORM

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the **INVENTION ENTITLED CLONED UNGULATE EMBRYOS AND ANIMALS, USE OF CELLS, TISSUES AND ORGANS THEREOF FOR TRANSPLANTATION THERAPIES INCLUDING PARKINSON'S DISEASE**

the specification of which (CHECK applicable BOX(ES))
X A. ☐ is attached hereto.
BOX(ES) → B. ☒ was filed on May 1, 2001 as U.S. Application No. /
→ C. ☐ was filed as PCT International Application No. PCT/ / on
and (if applicable to U.S. or PCT application) was amended on

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. 1.56. Except as noted below, I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT International Application which designated at least one other country than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate, or PCT International Application, filed by me or my assignee disclosing the subject matter claimed in this application and having a filing date (1) before that of the application on which priority is claimed, or (2) if no priority claimed, before the filing date of this application:

PRIOR FOREIGN APPLICATION(S)	Date first Laid- open or Published	Date Patented or Granted	Priority NOT Claimed
Number	Country	Day/MONTH/Year Filed	

If more prior foreign applications, X box at bottom and continue on attached page.

Except as noted below, I hereby claim domestic priority benefit under 35 U.S.C. 119(e) or 120 and/or 365(c) of the indicated United States applications listed below and PCT international applications listed above or below and, if this is a continuation-in-part (CIP) application, insofar as the subject matter disclosed and claimed in this application is in addition to that disclosed in such prior applications, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. 1.56 which became available between the filing date of each such prior application and the national or PCT international filing date of this application:

PRIOR U.S. PROVISIONAL, NONPROVISIONAL AND/OR PCT APPLICATION(S)	Status	Priority NOT Claimed
Application No. (series code/serial no.)	Day/MONTH/Year Filed	pending, abandoned, patented
08/781,752	10 January 1997	Patented
08/888,057	3 July 1997	Pending
09/004,606	8 January 1997	Patented
09/066,652	27 April 1998	Pending

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

And I hereby appoint Pillsbury Winthrop LLP, Intellectual Property Group, telephone number (202) 861-3000 (to whom all communications are to be directed), and persons of that firm who are associated with USPTO Customer No. 909 (see below label) individually and collectively my attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent, and I hereby authorize them to delete from that Customer No. names of persons no longer with their firm, to add new persons of their firm to that Customer No., and to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/ organization who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct the above Firm and/or an attorney of that Firm in writing to the contrary.

USE ONLY FOR
PILLSBURY WINTHROP

00909
00909

Date: 5/18/01

(1) INVENTOR'S SIGNATURE:

Name	Steven	L.	Stice
First	Middle Initial	Family Name	
Residence	Belchertown	Massachusetts	USA
City	State/Foreign Country	Country of Citizenship	
Mailing Address	468 Amherst Road, Belchertown, Massachusetts		
(include Zip Code)	01007		

Date: 5-14-01

(2) INVENTOR'S SIGNATURE:

Name	Jose	Cibelli	
First	Middle Initial	Family Name	
Residence	Holden	Massachusetts	Argentinian
City	State/Foreign Country	Country of Citizenship	
Mailing Address	21 Tamarock Circle, Holden, Massachusetts		
(include Zip Code)	01510		

- ☒ FOR ADDITIONAL INVENTORS see attached page.
☐ See additional foreign priorities on attached page (incorporated herein by reference).

Atty. Dkt. No. P0280611
(M#)

DECLARATION AND POWER OF ATTORNEY

(continued)

ADDITIONAL INVENTORS:

(3) INVENTOR'S SIGNATURE:

Date: 5/17/01

James		M.	Robl	Family Name	
First		Middle Initial		Family Name	
Residence	Belchertown	Massachusetts		USA	
City		State/Foreign Country		Country of Citizenship	
Mailing Address		196 Old Enfield, Belchertown, Massachusetts			
(include Zip Code)		01007			

(4) INVENTOR'S SIGNATURE:

Date:

				Family Name	
First		Middle Initial		Family Name	
Residence					
City		State/Foreign Country		Country of Citizenship	
Mailing Address					
(include Zip Code)					

(5) INVENTOR'S SIGNATURE:

Date:

				Family Name	
First		Middle Initial		Family Name	
Residence					
City		State/Foreign Country		Country of Citizenship	
Mailing Address					
(include Zip Code)					

(6) INVENTOR'S SIGNATURE:

Date:

				Family Name	
First		Middle Initial		Family Name	
Residence					
City		State/Foreign Country		Country of Citizenship	
Mailing Address					
(include Zip Code)					

(7) INVENTOR'S SIGNATURE:

Date:

				Family Name	
First		Middle Initial		Family Name	
Residence					
City		State/Foreign Country		Country of Citizenship	
Mailing Address					
(include Zip Code)					

(8) INVENTOR'S SIGNATURE:

Date:

				Family Name	
First		Middle Initial		Family Name	
Residence					
City		State/Foreign Country		Country of Citizenship	
Mailing Address					
(include Zip Code)					

(9) INVENTOR'S SIGNATURE:

Date:

				Family Name	
First		Middle Initial		Family Name	
Residence					
City		State/Foreign Country		Country of Citizenship	
Mailing Address					
(include Zip Code)					

Rule 56(a) & (b) = 37 C.F.R. 1.56(a) & (b)
PATENT AND TRADEMARK CASES - RULES OF PRACTICE
DUTY OF DISCLOSURE

- (a) ...Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the [Patent and Trademark] Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability... (b) information is material to patentability when it is not cumulative and (1) It also establishes by itself, or in combination with other information, a prima facie case of unpatentability of a claim or (2) refutes, or is inconsistent with, a position the applicant takes in: (i) Opposing an argument of unpatentability relied on by the Office, or (ii) Asserting an argument of patentability

PATENT LAWS 35 U.S.C.

§102. Conditions for patentability; novelty and loss of right to patent

A person shall be entitled to a patent unless--

- (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for patent or
- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of the application for patent in the United States, or
- (c) he has abandoned the invention, or
- (d) the invention was first patented or caused to be patented, or was the subject of an inventor's certificate, by the applicant or his legal representatives or assigns in a foreign country prior to the date of the application for patent in this country on an application for patent or inventor's certificate filed more than twelve months* before the filing of the application in the United States, or
- (e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent, or
- (f) he did not himself invent the subject matter sought to be patented, or
- (g) before the applicant's invention thereof the invention was made in this country by another who had not abandoned, suppressed, or concealed it. In determining priority of invention there shall be considered not only the respective dates of conception and reduction to practice of the invention, but also the reasonable diligence of one who was first to conceive and last to reduce to practice, from a time prior to conception by the other.

§103. Condition for patentability; non-obvious subject matter

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made. . . .
- (c) Subject matter developed by another person, which qualified as prior art only under subsection (f) or (g) of section 102 of this title, shall not preclude patentability under this section where the subject matter and the claimed invention were, at the time the invention was made, owned by the same person or subject to an obligation of assignment to the same person.

* Six months for Design Applications (35 U.S.C. 172).



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

JANUARY 06, 1999

PTAS

BURNS, DOANE, SWECKER & MATHIS, L.L.P.
ROBIN L. TESKIN
P.O. BOX 1404
ALEXANDRIA, VA 22313-1404



100829936A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 07/21/1998

REEL/FRAME: 9442/0149
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

STICE, STEVEN L.

DOC DATE: 06/01/1998

ASSIGNOR:

CIBELLI, JOSE

DOC DATE: 06/01/1998

ASSIGNEE:

MASSACHUSETTS, UNIVERSITY OF, A
PUBLIC INSTITUTION OF HIGHER
EDUCATION OF THE COMMONWEALTH OF
MASSACHUSETTS, AS REPRESENTED BY
ITS AMHERST CAMPUS
OFFICE OF VICE CHANCELLOR FOR
RESEARCH AT AMHERST
AMHERST, MASSACHUSETTS 01002

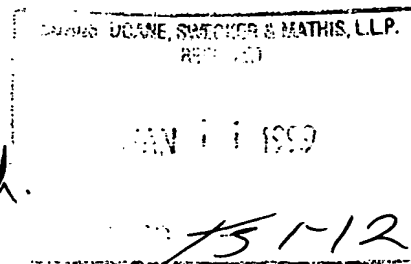
SERIAL NUMBER: 09066652
PATENT NUMBER:

FILING DATE: 04/27/1998
ISSUE DATE:

000270-015

ALT

Advanced Cell Tech.



9442/0149 PAGE 2

SHAREILL COLES, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

OCTOBER 01, 1999

PTAS

BURNS, DOANE, SWECKER & MATHIS, L.L.P.
ROBIN L. TESKIN
P.O. BOX 1404
ALEXANDRIA, VIRGINIA 22313-1404



101137675A

**CORRECTED
NOTICE**

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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RECORDATION DATE: 07/21/1998

REEL/FRAME: 009442/0193

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

ROBL, JAMES A.

DOC DATE: 07/02/1998

ASSIGNEE:

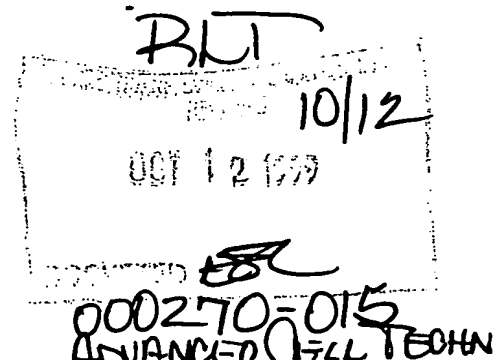
MASSACHUSETTS, UNIVERSITY OF, A
PUBLIC INSTITUTION OF HIGHER
EDUCATION OF THE COMMONWEALTH OF
MASSACHUSETTS, AS REPRESENTED BY
ITS AMHERST CAMPUS
OFFICE OF VICE CHANCELLOR FOR
RESEARCH AT AMHERST
AMHERST, MASSACHUSETTS 01002

SERIAL NUMBER: 09066652

PATENT NUMBER:

FILING DATE: 04/27/1998

ISSUE DATE:



009442/0193 PAGE 2

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ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS